

I. GENERAL

PROJECT DESCRIPTION

This project involves the reconstruction of an existing signal to provide for additional through and left turn lanes along US Route 1 (Baltimore Avenue), a new median along US Route 1, and the addition of IKEA Centre Blvd. to the north side of the intersection. The existing signal pole on the north-west side of the intersection will be removed and new signal poles and mast arms will be installed at all four corners of the intersection. Detection cameras will be installed for the left turn lanes along US 1 and all of the "at signal" lanes for the minor roads. Micro-probes will be used for the advanced detection along US Route 1.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 8-phase, semi-actuated mode, with the East-West approaches running separately.

III. CONTROLLER REQUIREMENT

1. Install a fully-actuated, eight phase controller with two (2) four channel, time-delay-output loop detector amplifiers, and associated harnesses housed in a NEMA size "6" base mounted cabinet.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. CHARLIE WATKINS  
DISTRICT ENGINEER  
(301) 513-7311

MR. DENNIS McMAHON  
ADE CONSTRUCTION  
(301) 513-7345

MR. RICHARD DAFF  
DIVISION CHIEF, TOD  
(410) 787-7630

MR. MAJID SHAKIB  
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CHIEF, TEDD  
(410) 787-4011

MR. EDWARD RODENHIZER  
CHIEF OF SIGNAL OPERATIONS  
(410) 787-7652

EQUIPMENT LIST B

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY CONTRACTOR.

QUANTITY DESCRIPTION

280 LF FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED)

1 EACH FURNISH AND INSTALL ELECTRICAL HANDHOLE

PHASING  
SEQUENCE  
CHART

4	5	6	7	8	13	14	15		
PHASE 02 & 06	G	G	G	G	G	R	R	R	←
PHASE 02 & 06 CHANGE	Y	Y	Y	Y	Y	R	R	R	→
PHASE 02 & 05	R	R	G	G	G	R	R	R	←
PHASE 02 & 05 CHANGE	R	R	Y	Y	Y	R	R	R	↻
PHASE 04	R	R	R	R	R	G	G	G	↻
PHASE 04 CHANGE	R	R	R	R	R	Y	Y	Y	↻
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	↕

WIRING DIAGRAM

NO CHANGES FROM PREVIOUS PHASE

TS-2

ENGINEERING-PLANNING-EARTH SCIENCES-SURVEYING  
**GREENHORNE & O'MARA, INC.**  
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ROCKVILLE, MD - HALETHORP, MD - FREDERICKSBURG, VA - MECHANICSBURG, PA - ST. PETERSBURG, FL

REVISIONS				
©	MAST ARMS RELOCATED DUE TO GEOMETRIC IMPROVEMENTS	7/02		

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
**Traffic Signal Plan (MOT Phase 2)**  
**US RT. 1 (BALTIMORE AVENUE) & IKEA CENTRE BLVD**

DRAWN BY: JEDNORSKI/STRAIN	F.A.P. NO. 2385472502810	TS NO. 3657	SHEET NO. 10 OF 22
CHECKED BY: M. RUCKER	S.H.A. NO. PRINCE GEORGE'S	T.I.M.S. NO. 16000102.69	
SCALE: 1" = 20'	LOG MILE: 16000102.69	DATE: AUGUST 3, 2000	